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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,338	09/22/2005	Wouter Jozef Maes	NL 030311	9985

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

TRUONG, BAO Q

ART UNIT	PAPER NUMBER
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2875

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/13/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/550,338

Applicant(s)

MAES ET AL.

Examiner

Bao Q. Truong

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 5-7, 9-15 and 17-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Bornhorst et al. [US 5,590,955].

Regarding claims 1 and 14, Bornhorst et al. discloses moving-head device having a foot [86], a first rotation member [82] which is rotatable with respect to the foot [82] about a first rotation axis [the axis through both of 82 and two arms of 86], a light source [61] for emitting light, which is arranged in the first rotation member [82], and a second rotation member [84] which is rotatable with respect to the first rotation member [82] about a second rotation axis [central axis 38 of member 82] and which has an external light outlet [an aperture between two arms 84] for emitting light originating from the light source [61] (figures 8, 9, 12 and 18, column 8 lines 1-57, column 9 lines 28-55).

Regarding claims 2 and 15, Bornhorst et al. discloses directing means [89c, 89d, 89b] for directing light originating from the light source [61] to the external light outlet [the aperture between two arms 84] (figures 8 and 9 and 12).

Regarding claim 3, Bornhorst et al. discloses at least a portion [yoke cross member 26] of the second rotation member [84] encompassing at least a portion [exit aperture 87] of the first rotation member [82] (figures 9 and 12).

Regarding claims 5 and 17, Bornhorst et al. discloses the first rotation member [82] having an internal light outlet [40, 87], and wherein the second rotation member [84] has a light inlet [aperture at 26 facing mirror 16] facing the internal light outlet (figures 9 and 12).

Regarding claim 6, Bornhorst et al. discloses the second rotation member [84] being rotatably connected to the first rotation member [82] through a disc [40] which is fixed with respect to one of the rotation member [84] and which is rotatable with respect to another one [84] of the rotation members (figures 8, 9 and 18).

Regarding claims 7 and 18, Bornhorst et al. discloses a reflector [62] partially surrounding the light source [61] (figure 8).

Regarding claims 9 and 20, Bornhorst et al. discloses the light source comprising a high power lamp [61] (figure 8).

Regarding claim 10, Bornhorst et al. discloses a lens unit [65] for converging light originating from the light source [61], the lens unit [65] preferably being arranged in the first rotation member [82] (figure 8).

Regarding claim 11, Bornhorst et al. discloses at least one processing unit [63] for processing light originating from the light source [61] (figure 8).

Regarding claim 12, Bornhorst et al. discloses a mirror [16] for changing the direction of the light originating from the light source [61] by reflecting the light (figures 8 and 9).

Regarding claim 13, Bornhorst et al. discloses the rotation axes [the axis through both of 82 and two arms of 86, and the central axis 38] being substantially perpendicular to each other (figures 8 and 12).

Regarding claim 19, Bornhorst et al. discloses a cooling device [cooling systems] for cooling at least one side of the light source [61] (column 6 lines 49, 51, column 9 lines 1-3).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4, 8 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bornhorst et al. in view of Headrick [US 4,298,911].

Regarding claim 4, Bornhorst et al. discloses the portions [26, 87] of the rotation members [82, 84], but does not disclose the bearing means arranged between the portions.

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Headrick discloses the bearing means [40] being arranged between the portions [38 and 42] in a movable lighting system (figure 6).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the rotation of the two members of Bornhorst with the bearing means as taught by Headrick to reduce friction between the rotation of two members for purpose of providing an advantageous way of smooth rotations, therefore, reducing electrical supply to rotate the members.

Regarding claim 8, Headrick discloses a cooling device [90, 94] for cooling at least one side of the light source [74], wherein the cooling device [90, 94] is arranged so as to provide cooling air to the light source [74], and wherein the reflector [84] is provided with an inlet [86] for admitting the cooling air (figures 3 and 5).

Regarding claim 16, Bornhorst et al. discloses at least a portion [yoke cross member 26] of the second rotation member [84] encompassing at least a portion [exit aperture 87] of the first rotation member [82] (figures 9 and 12); and Bornhorst et al. discloses the portions [26, 87] of the rotation members [82, 84], but does not disclose the bearing means arranged between the portions.

Headrick discloses the bearing means [40] being arranged between the portions [38 and 42] in a movable lighting system (figure 6).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the rotation of the two members of Bornhorst with the

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bearing means as taught by Headrick to reduce friction between the rotation of two members for purpose of providing an advantageous way of smooth rotations, therefore, reducing electrical supply to rotate the members.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Q. Truong whose telephone number is (571) 272-2383. The examiner can normally be reached on Monday-Friday (8:00 AM - 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Bao Q. Truong
Examiner
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